

GOFMAN, YE. A.

5-6-19/42

AUTHORS: Khain, V.Ye., Afanas'yev, S.L., Gofman, Ye.A., Lomize, M.G., and Rikhter, V.G., Burlin, Yu.K.

TITLE: New Data on the Geology of the North-Western Caucasus (Novyye dannyye po geologii severo-zapadnogo Kavkaza) Between the Tuapse and Lazarev Crossings (mezhdu Tuapsinskimi i Lazarevskimi peresecheniyami)

PERIODICAL: Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel Geologicheskiy, 1957, # 6, pp 132-133 (USSR)

ABSTRACT: A Caucasian expedition of the MGU, composed of the authors of this paper, carried out during 1955 to 1956 a detailed mapping in the upper parts of the rivers Pshekha, Pshish and Ashe. The expedition studied the following three structural zones of this territory: 1. The monoclinorium of the northern slope; 2. the central anticlinorium; and 3. the flysch zone of the southern slope.

As a result of these explorations, the stratigraphy of the Lower- and Middle-Jurassic deposits was clarified in details and differences in the structure of their columnar sections were discovered. These differences are connected with the structural zonation and deep breaks.

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Card 1/1

GOFMAN, Ye.A.

New finds of Jurassic Globigerina. Nauch.dokl.vys.shkoly; geol.-  
geog.nauki no.2:125-126 '58. (MIRA 12:2)

1. Moskovskiy universitet, geologicheskiy fakul'tet, kafedra pale-  
ontologii.  
(Paleontology, Stratigraphic)

GOFMAN, Ye.A.

Foraminifera from upper Jurassic sediments in the Lenin Hills.  
Nauch.dokl.vys.shkoly; geol.-geog.nauki no.1:60-63 '59.  
(MIRA 12:6)

1. Moskovskiy universitet, geologicheskij fakul'tet, kafedra  
paleontologii.  
(Moscow—Foraminifera, Fossil)

3 (5)

AUTHOR: Gofman, Ye. A. SOV/20-126-2-34/64

TITLE: On the Middle Lias Foraminifera of the North Caucasus  
(O sredneleyasovykh foraminiferakh Severnogo Kavkaza)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 2, pp 348-350  
(USSR)

ABSTRACT: In the North Caucasus, the Lower Jurassic sediments and those of the Middle Lias in particular, are the least explored. Monotonous, thick argillaceous masses, amongst others, contain only few ammonites and somewhat more numerous polycyprids and brachiopods. All these remains are not yet enough investigated to make possible any more detailed stratigraphical conclusion. For these reasons, attention was paid to a micro-biostratigraphic study of the masses. The foraminiferous remains, characterized in publications of the Upper, Middle, and, in part, Lower Jurassic formation (Refs 1-4) make possible a satisfactory reliable classification of the said sediments in several regions. The microfauna of the Lower and Middle Lias, was, however, never analysed in the Caucasus. In summer 1957, the geologists of the Kavkazskaya (Caucasus-) expedition of the Moskovskiy universitet (Moscow University), S. L. Byzova and

Card 1/3

On the Middle Lias Foraminifera of the North Caucasus SOV/20-126-2-34/64

D. I. Panov described several cross sections of the Middle Lias sediments on the north slope of the Central and North Caucasus, and according to the strata took samples. The authors studied these, and arrived at the following conclusions:  
1) In the deposits, named in the title, many foraminifera are present, which make possible a classification of this sediment. 2) Plinsbakhskiy and Domerskiy stages are eliminated because of the type and of the special composition of the foraminifera complex. 3) There is no doubt that a monographic study of new species and an examination of the micro-fauna of a greater number of cross sections in future make possible a further subdivision of the sediments of the said stages. There are 4 Soviet references.

ASSOCIATION: Kompleksnaya yuzhnaya geologicheskaya ekspeditsiya pri Otdelenii geologo-geograficheskikh nauk Akademii nauk SSSR (Multi-purpose Geological Expedition at the Department of Geological-geographical Sciences of the Academy of Sciences, USSR)

Card 2/3

On the Middle Lias Foraminifera of the North Caucasus SOV/20-126-2-34/64

PRESENTED: January 23, 1959, by D. I. Shcherbakov, Academician

SUBMITTED: January 22, 1959

Card 3/3

BEZBORODOV, R.S.; GOFMAN, Ye.A.; RIKHTER, V.G.

Bedding of Bajocian sediments in the northwestern Caucasus.  
Izv. Akad. SSSR, Ser. geol. 25 no.1 '94-97 Ja '60. (MIRA 13:8)

1. Institut geologii i razrabotki goryuchikh iskopаемых АН СССР,  
Moskva.  
(Caucasus, Northern--Geology, Stratigraphic)

GOFMAN, Ye.A.; LOMIZE, M.G.; RIKHTER, V.G.; KHAIN, V.Ye.

Characteristics of the geological development of the northwestern  
Caucasus in the lower and middle Jurassic. Izv.vys.ucheb.zav.;  
geol.i razy. 3 no.4:43-57 Ap '60. (MIRA 13:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.  
(Caucasus, Northern--Geology)

RIKHTER, V.G.; GOFFMAN, Ye.A.; MAYEV, Ye.G.

Study of shore lines on the floor of the Caspian Sea. Dokl. AN SSSR  
135 no.6:1476-1479 D '60.  
(MIRA 13:12)

1. Institut geologii i razrabotki goryuchikh iskopeyemykh Akademii  
nauk SSSR. Predstavleno akademikom A.L. Yanshinyem.  
(Caspian Sea--Submarine geology)

GOFMAN, Ye.A.; VUL'FOVICH, R.D.; LOGACHEVA, V.A.; POLOZOV, A.I.; BERZIN,  
B.O., kand. tekhn. nauk, inzhener-polkovnik v otstavke, red.;  
KOZLOVTSEV, V.A., red.; YAKIMOVICH, Yu.K., red.-leksikograf';  
KUZ'MIN, I.P., tekhn. red.

[German-Russian dictionary of armored force terms] Nemetsko-  
russkii avtobronetankovyi slovar'. Pod red. B.O.Berzina. Mo-  
skva, Voen. izd-vo M-va obor. SSSR, 1961. 487 p. (MIRA 14:8)

(German language--Dictionaries--Russian)  
(Tanks (Military science)--Dictionaries)

MARKOV, Nikolay Mikhaylovich; DUAN,N.I., kandidat tekhnicheskikh nauk,  
redaktor; GOFMAN,Ye.K., redaktor;PATRASHEV,A.N., professor,  
doktor tekhnicheskikh nauk, retsenzent; SOKOLOVA,L.V., tekhnicheskiy redaktor

[Computing the aerodynamic characteristics of blade sets in turbomachines] Raschet aerodinamicheskikh kharakteristik lopatochnogo  
apparata turbomashin. Moskva, Gos.nauchno-tekhn. izd-vo mashino-  
stroitel'noi lit-ry, 1955. 162 p.  
(Turbomachines)

2 OF 2 R/ Y. K.

VYSOTSKAYA, N.N.; IERUSALIMSKIY, A.M.; NEVEL'SON, R.A.; FEDORENKO, V.A.;  
GOFFMAN, Ye.K., redaktor; PUGACHEV, A.A., inzhener, retsenzent;  
POL'SKAYA, N.G., tekhnicheskij redaktor

[Technical projections for articles made of sheet metal] Tekhnicheskie razvrtki izdelii iz listovogo materiala. Pod obshchej red. A.M. Ierusalimskogo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1955. 230 p. (MLRA 9:1)  
(Sheet-metal work)

*GOFMAN, Ye.M.*

*EYDELSTEIN, S.I.; GOFMAN, Ye.M.*

Absorption of penicillin from Highmore's antrum. Vest. otorinolaringologiya  
12 no.2:37-41 Mr-Ap '50. (CIML 19:2)

1. Of the LOR (Otorhinolaryngological) Clinic of Moscow Oblast Scientific-Research Clinical Institute (Director -- Honored Worker in Science Prof. A.I.Fel'dman) and of the Department of Experimental Therapy of the Penicillin Institute (Head -- Prof. Z.V.Yermol'eva).

GOFMAN, YE. M.

Jun 51

USSR/Medicine - Antibiotics

"Prolongation of the Action of Penicillin By Injecting It Into a Zone of Tissue Hemorrhage," Prof A. I. Fel'dman, N. V. Zverovskaya, Ye. M. Gofman, Ear, Nose, and Throat Clinic, Cen Inst for Advanced Trng of Physicians; Moscow Oblast Sci Res Clinical Inst

"Klin Med" Vol XXIX, No 6, pp 37-40

Prolonged action of penicillin is achieved by injecting it into a zone of hemorrhage. Such a zone can be produced by cupping.

ZHURAVSKAYA, N.V.; GOFMAN, Ya.M.

Etiology of endocarditis lenta. Part 3: Immunological and serological studies on the causative agent (Streptococcus viridans) in endocarditis lenta. Zhur. mikrobiol. epid. i immun. no.11:81-88 N '54. (MLRA 8:1)

1. Iz bakteriologicheskoy laboratorii (zav. prof. A.K.Shabladze) nauchno-eksperimental'nogo otdela i terapevтических klinik (zav. prof. Ye.M.Tareyev i prof. B.A.Chernogubov) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.P. Vladimirovskogo (dir. A.P.Musychenko)

(ENDOCARDITIS, SUBACUTE BACTERIAL, bacteriology,  
Streptoc. viridans, immunol. & serol. aspects)

(STREPTOCOCCAL INFECTIONS,  
viridans, endocarditis, subacute bact., immunol. & serol.  
aspects)

GOFMAN, Yu.

Automobile rallies can be organized in winter. Za rul. 17 no.1:28  
(MIRA 12:3)  
Ja '59.

1. Starshiy trener TSentral'nogo avtomotokluba Dobrovol'nogo obshchestva  
sodeystviya armii, aviatsii i flotu po avtomobil'nomu sportu.  
(Automobile racing)

GOFMAN, YU. YA., KLYMENKO, V. G., SAYANOVA, V. V., ALEXSEYEVA, N. V.,  
and VAYNTRAUB, I. A. (USSR)

"Comparative Study of Seed Proteins of Some Plants by Paper Electrophoresis."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961

OSNOVINA-LOMOVITSKAYA, A.D.; GOYMAN, Yu.I.

Diagnostic significance of D.I. Fin'ko's color reaction of bile  
in liver diseases. Lab. delo 5 no.1:13-17 Ja-# '59. (MIRA 12:3)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. D.D. Tablokov)  
Tomskogo meditsinskogo instituta.  
(BILE) (LIVER--DISEASES--DIAGNOSIS)

*Gofman Yu.M.*

GOFMAN, Yu.M., inzh.

Inspection of the metal in high-pressure steam pipes. Elek.sta.  
29 no.1:17-18 Ja '58. (MIRA 11:2)  
(Steel--Testing) (Steampipes)

SOV-51-59-2-5/33

AUTHOR: Gofman, Yu. M., Engineer

TITLE: The Observation of the Metal in High-Pressure Steam Pipes  
(Nablyudeniye za metallom paroprovodov vysokogo davleniya)

PERIODIC: Energetik, 1959, Nr 2, pp 10 - 13 (USSR)

ABSTRACT: The author contends that the present method of control of the condition of the metal of steam pipes by means of a periodical examination of the qualities of metal in a test length cut out of a control section of the steam pipe, prescribed by the 1954 instruction of MES "On observation of Creep and Structural Changes of Metal of Steam Pipes and Steam Superheaters", is inadequate and should be replaced by a more reliable method. He suggests, that after 25-30,000 hours of exploitation, a boat-shaped ("lodochka") sample length be cut out of every steam pipe and be examined for toughness of metal and phase content. This conclusion is illustrated by two examples: one test length cut out of a steam pipe at one power plant revealed a complete spheroidizing of perlite and its deposition along the borders of the ferrite grains. The mechanical qualities of its metal

Card 1/2

The Observation of the Metal in High-Pressure Steam Pipes SOV/91-59-2-5/33

Showed great deterioration: the breaking stress dropped from  $47.8 \text{ kg/cm}^2$  to  $40.6 \text{ kg/cm}^2$ , toughness dropped from 15 to  $3 \text{ kgm/cm}^2$ . Conversely, the examination of another test length out of another steam pipe of the same steam aggregate, showed only slight changes in the qualities of its metal. Another test examination was performed on five steam pipes of the same boiler, all of which had worked under same conditions and had been in exploitation for 43,840 hours. This examination revealed great differences in the conditions of the examined pipes. There are two tables, five photos and 1 diagram.

Card 2/2

18(5,7)

SOV/135-59-9-15/23

AUTHOR: Gofman, Yu. M., Engineer

TITLE: Experience on Quality Control of Pipe-Welds by Supersonics

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 9, p 39 (USSR)

ABSTRACT: The author presents a report on the advantages of supersonic rail spotters compared to gamma rail spotters, for welded joints in metal parts of boilers and pipes which work under pressure. As examples, he gives some tests which were made with gamma rail spotters and additionally with supersonic rail spotters. In several cases the gamma rail spotter indicated poor penetration, while the supersonic rail spotter indicated fracture. The tests were made with an impulse rail spotter type UZD-7N, with uni-sound scheme on a working frequency of 1.8 megacycles. There are 4 photographs.

ASSOCIATION: PRP Sverdlovenergo

Card 1/1

5 (2)

## AUTHORS:

Mashukov, A. Ya., Lazarev, M. M., Gofman, Yu. M., Anisimov, S. B., Intson, L. P., Turskiy, Yu. I., Mazov, A. V., Samolova, L. Ye.

S07/32-25-8-13/44

## TITLE:

News in Brief

## PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 8, pp 934 - 935  
(USSR)

## ABSTRACT:

A. Ya. Mashukov reports that the Institute prepared test samples containing several rare elements. For the preparation they used a copper-zinc ore (0.0009% In, 0.007% Tl, 0.0012% Ga, and 0.0003% Ge) and not-calcined lead dust (0.004% In, 0.032% Tl, 0.0001% Ga, and 0.0009% Ge). The composition of the test samples was determined by three institutes. M. M. Lazarev (Laboratoriya zavoda) (Plant Laboratory) recommends a nephelometric method for the determination of zinc in the alloy MA-2 by a reaction with potassium ferrocyanide using a photocolorimeter PEK-M. Yu. M. Gofman describes a method for the non-cutting analysis of low alloy steels 15M, 12MKh, 12KhMF for the determination of the carbides of manganese, chromium, molybdenum, and vanadium. The analysis can be made without preparation of a sample by photocolorimetry directly on the surface of the workpiece in-

Card 1/2

News in Brief

SOV/32-25-8-13/44

vestigated. S. B. Anisimov and L. P. Intson describe a rapid method for the determination of the relation tin : lead in coating at the test of electroplating baths. An electroplated coating is made on a weighed steel leaflet of 10Kh18N9T steel. The coating is detached and after separation of the Sn as metastannic acid, the lead is titrated with Trilon B. Yu. I. Turskiy, A. V. Mazov, L. Ye. Samolova developed a colorimetric method for determination of the resin contents of waste waters in gas plants, which is based on the extraction of the resins with chloroform from the alkaline liquid (to form water-soluble phenolates). The chloroform extract is subjected to colorimetry on a colorimeter FEK-M.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy gornometallurgicheskiy institut tsvetnoy metallurgii (All-Union Scientific Mining-metallurgical Research Institute of Non-ferrous Metals). Laboratoriya metallov Sverdlovenergo (Metal Laboratory of the Sverdlovenergo). Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i polucheniyu iskusstvennogo shidkogo topliva i gaza (All-Union Scientific Research Institute for the Processing of Petroleum and Production of Synthetic Liquid Fuels and Gases)

Card 2/2

GOFMAN, Yu.M., inzh.; SIVKOVA, V.G., inzh.

Carbide analysis of steel. Elek. sta. 30 no.3:31-33 Mr '59.  
(Steel--Analysis) (MIRA 12:5)

GOFMAN, Yu.M., inzh.; SIVKOVA, V.G., inzh.

Determination of vanadium carbide phase without the preparation of  
a special sample. Energetik 9 no.10:13-14 O '61. (MIRA 14:10)  
(Vanadium) (Steampipes)

GOFMAN, Yu.M., inzh.; BLANK, E,M., inzh.

Increasing the wear resistance of suction pump parts.  
Energetik 10 no.10:13-14 0 '62. (MIRA 15:12)  
(Pumping machinery)

GOFMAN, Yu.M., inzh.

Welding of cracks in the cylinder of the AK-50 turbine.  
Energetik 10 no.12:14 D '62. (MIRA 16:1)  
(Steam turbines—Welding)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000615520019-2

GOFMAN, Yu.M.; SIVKOVA, V.G.

Determining of the carbide phase of vanadium using sulfonazo  
reagent. Trudy IREA no.25:343-346 '63.

(MIRA 18:6)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000615520019-2"

GOFMAN, Yu.M., Inzh.; TURTOV, B.P., Inzh.

Breaking of the rotor blades of the VK-100 S high-pressure turbine.  
Energetik no.911-02 S '64.  
(MTRA 17+10)

GORMAN, Yu.M., inzh.; ANDREYEV, V.Ye., inzh.

High-quality welding of seams in pulsating compression lines.  
Energetik 13 no.1:19-20 Ja '65. (MIRA 18:3)

GOFMAN, Yu.M.

Reducing heat treatment of a steam collecting chamber.  
Energetik 14 no.1:20-23 Ja '66. (MIRA 19:1)

GOFMAN, Yu.P.; KLIMENKO, S.M.

Use of ferreglobulins in electron-optical Immunomorphology.  
Vest. AMN SSSR 18 no.11:61-65 '73 (MIRA 17:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR.

BOCHAROV, A.P.; GOFMAN, Yu.P.; BEMINA, S.N.; TORKUTOMOV, V.A.

Morphological characteristics of the particles of herpes simplex  
virus. Vop. virus. 10 no.2:150-155 Mr-Ap '65.

(MINA 18:10)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSRR, Moskva.

KLIMENKO, S.M.; YERSHOV, F.I.; GOFMAN, Yu.P.; NABATNIKOV, A.P.; ZHDANOV, V.M.

Characteristics of the structural organization of the Venezuelan  
equine encephalomyelitis virus. Vop. virus. 10 no.5:520-525 S-0  
'65. (MIRA 18:11)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

GOFMAN, Yu. V., PNECHNIK, M. V.

"Fast Neutron Capture Cross Sections in the Region of  
'Magic' Nuclei."

Inst. for Physics, Acad. Sci. Ukr SSR

paper submitted at the A-U Conf. on Nuclear Reactions in Medium and Low Energy  
Physics, Moscow, 19-27 Nov 57.

GOFMAN, Yu.V. [Hofman, Iu.V.].

A high-frequency ion source. Ukr. fiz. zhur. 2 no.4:373-374 O-D '57.  
(MIRA 11:3)

1. Institut fiziki AM URSS.  
(Particle accelerators) (Ion beams)

GOFMAN, Yu.V. [Hofman, Iu.V.]

Fast neutron capture cross sections of magic and related nuclei [in Ukrainian with summary in English]. Ukr. fiz. zhur. Supplement to 3 no.1:14-20 '58. (MIRA 11:6)

1. Institut fiziki AN URSR.  
(Neutrons--Capture) (Nuclei, Atomic)

GOFMAN, YU. V.

216 JOURNAL OF POLYMER SCIENCE: PART A-1

polymerization reaction on the benzene ring of styrene (15), 25, 26.

*See*, *Math. Phys.*, A.I., *Astronomy*, *Astrophysics*; F.J. *Nesterov*, *Mathematics* and *Ed. Theory*; *Mathematics of Physical and Mathematical Sciences*, *Ed.* of this volume; G.I. *Sobolev* and D.P. *Kazhdan*, *Mathematical, Computational, and Mathematical Sciences*; *Ed.* of *USSR Academy of Physical and Mathematical Sciences* (*USSR Academy of Sciences*, *Phys. Math. Inst. Steklov*).

This collection of articles by historians, economists, and other persons interested in ancient pottery, will interest all students of the Greek Civilization, and especially those who desire to know more about the pottery of the Homeric Age.

is divided into two parts. Part I contains 17 papers dealing with physical and mathematical theories. Part II contains 26 smaller papers dealing with problems of particle astrophysics and my physics. The first paper by E. Fermi describes a series of experiments on antiproton annihilation. The second paper is a general discussion of the theory of beta decay.

*Proc. U.S. Natl. Acad. Sci.*, 27, 270 (1941).

Volume 1, No. 1. Annual Survey of Progress in Sanitary Research  
Report 1971.  
Government of Pakistan, Karachi V.I. Ministry and P.T.O. Secretariat.

Journal of the American Institute of Architects, Vol. 1, No. 1, January, 1913.

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CIA-RDP86-00513R000615520019-2"

*M. N. D. K.*  
S/056/60/039/006/001/063  
B006/B056

AUTHORS: Gofman, Yu. V., Nemets, O. F.

TITLE: Elastic Scattering of 13.6-Mev Deuterons by Nuclei. I

PERIODICAL: Zhurnal eksperimental'noy teoreticheskoy fiziki, 1960,  
Vol. 39, No. 6 (12), pp. 1489 - 1491

TEXT: The causes of the deviation of the elastic scattering cross section of deuterons from the Rutherford cross section have hitherto not been explained. In order to obtain additional data on the mechanism of elastic scattering, the authors measured the angular distributions of 13.6-Mev deuterons scattered elastically from Fe, Ni, Cu, Ag, Sn, Pt, Au, and Pb nuclei in the range of 10 - 140°; measurements were carried out every 2.5 - 5°. The deuteron beam originated from the cyclotron of the Institut fiziki AN USSR (Institute of Physics AS UkrSSR); the experimental method is described in Ref. 6. The targets were free metal foils 2.5 - 3 mg/cm<sup>2</sup> thick, with the exception of lead (4.7 mg/cm<sup>2</sup>). The angular distributions obtained are shown in Fig. 1 ( $\sigma/\sigma_{\text{Ruth}}$ ). In heavy nuclei (Pt, Au, Pt), a deviation from the Coulomb scattering occurs at 35 - 40°. The mechanism

Card 1/3

Elastic Scattering of 13.6-Mev Deuterons  
by Nuclei. I

S/056/60/039/006/001/063  
B006/B056

of this deviation is briefly discussed. For the three heavy nuclei, the decrease of the cross section relative to that of Rutherford at angles of up to 60° is explained by electrical splitting of the deuteron. In lighter nuclei, a deviation from the Rutherford scattering at angles below 40° may be observed. In general, the angle at which the deviation is observed also decreases with decreasing Z. The authors thank Yu. A. Bin'kovskiy for target preparation, and V. N. Dobrikov and N. I. Zaika for their help in measurements. There are 2 figures and 6 references: 1 Soviet, 4 US, and 1 Japanese.

SUBMITTED: April 9, 1960 (initially) and August 29, 1960 (after revision)

Card 2/3

S/056/61/040/002/014/047  
B102/B202

AUTHORS: Gofman, Yu.V., Nemets, O.F.

TITLE: Elastic scattering of 13.6 Mev deuterons from nuclei. II

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki,  
v. 40, no. 2, 1961, 477 - 479

TEXT: Using a 13.6-Mev deuteron beam from the cyclotron of the Institut fiziki AN USSR (Institute of Physics AS UkrSSR) the authors studied the angular distributions of deuterons elastically scattered from different nuclei. Measuring technique and preparation of the targets are described in Refs. 1 and 2 (Izv. AN SSSR, seriya fiz. 23, 1460, 1959 and ZhETF, 32, 1489, 1960). The half-width of the elastic peak was 2.0 - 3.0% (for angles of up to 90°), and the statistical error in measurement was 1%. Since in Al, Si, and C the deviation from the Rutherford scattering occurs already at small angles, the absolute cross sections were measured for these nuclei at 45 and 55°. Results are illustrated in diagrams. The arrows give those values of  $G = Q_{cr}$  at which nuclear interaction occurs. No agree-

Card 1/2

Elastic scattering of .

S/056/61/040/002/014/047  
B102/B202

ment was obtained by a comparison of the angular distribution of the deuterons scattered from Zn with that calculated with the aid of the optical model with square-well potential (dashed curve). The following parameters were assumed for this curve:  $V_0 = 50$  Mev,  $W_0 = 0$  Mev,  $r_0 = 1.27 \cdot 10^{-13}$  cm.

Using a potential well with round-off edges M.A. Melkanoff (Proc. Int. Conf. on the Nucl. Optical Model, Florida State University, 1959, p. 207) succeeded in obtaining a better agreement of Al with  $E_d = 15$  Mev for angles of up to  $100^\circ$ . [Abstracter's note: Essentially complete translation]. There are 1 figure and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc.

SUBMITTED: September 13, 1960

Card 2/2

GOFMAN, Yu.V.; DOBRIKOV, V.N.; ZAIKA, N.I.; NEMETS, O.F.

Application of an ionization chamber for particle selection by  
the method of measuring  $E_{dx}^{th}$ . Izv.AN SSSR.Ser.fiz. 25 no.10:  
1305-1307 0 '61. (MIRA 14:10)

1. Institut fiziki AN USSR.  
(Ionization chambers)

S/056/62/042/003/0C2/049  
B154/B108

AUTHORS: Gofman Yu., Nemets O. F.

TITLE: Elastic scattering of deuterons. III

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,  
no. 3, 1962, 657 - 658

TEXT: The angular distribution of 6.8-Mev protons elastically scattered from the isotopes Ni<sup>58</sup>, Ni<sup>60</sup>, Ni<sup>62</sup>, Ni<sup>64</sup> and of 7.5 and 17Mev protons elastically scattered from nuclei with near values of Z show that the differential cross section for wide angles varies considerably from isotope to isotope. To get information on the behavior of deuterons, the authors studied the elastic scattering of 13.6Mev deuterons on the mentioned Ni isotopes. The spectrum of deuterons scattered through an angle of 85° show a satisfactory form. Fig. 2 shows the angular distribution of

13.6-MeV deuterons elastically scattered from Ni<sup>58</sup>, Ni<sup>60</sup>, Ni<sup>62</sup>, Ni<sup>64</sup>. The Ni targets were enriched between 94 and 98%. Their thickness was between 2.16 and 3.37 mg/cm<sup>2</sup>. In the range of large angles essential fluctuations ✓  
Card 1/3

S/056/62/042/003/OC2/049

B154/B108

Elastic scattering of ...

in the differential cross-section from isotope to isotope were not observed. The results show that even if the shape of the surface potential of the nuclei does change with increasing number of neutrons this effect is so small that it cannot be observed in scattering. In a private note Klyuchakov has stated that at large angles the fluctuation of the cross section of elastic proton scattering which is associated with the change of the ( $p, n$ ) reaction threshold from isotope to isotope can be explained as the result of a competition between these reactions. For scattered deuterons this interpretation demands the absence of such differences in the cross sections as it was found in experiments. In this case however it is necessary to assume that for elastic scattering of protons a great part of this process serves for the production of a compound nucleus. Comparison with other experiments (Ref. 3) confirms this assumption. There are 2 figures and 4 references: 2 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: J.Dayton, G. Schrank, Phys. Rev., 101, 1358, 1956.; Ref. 3: W.Waldorf, N. Wall, Phys. Rev., 107, 1602, 1957.

Card 2/3

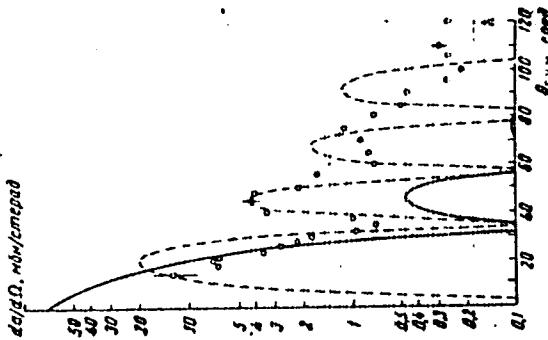
Elastic scattering of ...

S/056/62/042/003/C02/049  
B154/B108

ASSOCIATION: Institut fiziki Akademii nauk Ukrainskoy SSR (Institute of Physics of the Academy of Sciences Ukrainskaya SSR)

SUBMITTED: July 17, 1961

Fig. 2. Angular distributions of deuterons elastically scattered on nuclei of nickel isotopes



Card 3/3

S/056/62/042/003/003/049  
B154/B108

AUTHORS: Gofman, Yu. V., Nemets. O. F., Stryuk, Yu. S.  
TITLE: Inelastic scattering of 13.6-Mev deuterons from nickel isotopes  
PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,  
no. 3, 1962, 653 - 656

TEXT: Investigations about the interaction between deuterons and nuclei do not show a satisfactory agreement between experimental results and theory. To obtain more information the authors studied deuteron scattering from the isotopes Ni<sup>58</sup>, Ni<sup>60</sup>, Ni<sup>62</sup>, Ni<sup>64</sup>. The experiments were carried out with 13.6-Mev deuterons at the cyclotron of the Institute of Physics AS UkrSSR. Fig. 2 shows the angular distribution of deuterons scattered on Ni<sup>58</sup>. The other isotopes yield similar curves with maxima at 45, 75, and 115°. For Ni<sup>60</sup>, and probably for Ni<sup>62</sup>, a small maximum appears also in the angular range of 25 - 50°. The peak intensity clearly varies from isotope to isotope. For Ni<sup>58</sup> and Ni<sup>62</sup> sharp peaks ✓

Card 1/2

Inelastic scattering of ...

S/056/62/042/003/003/049

B154/B108

are obtained at 45 and 75°. Ni<sup>60</sup> and Ni<sup>64</sup> have clearer peaks at 115°. These results do not show perfect agreement with the theory of electric or nuclear interaction between deuterons and nuclei (Refs. 4 and 5, see below). The authors conclude that it is not possible to apply any of the known mechanisms with preference to inelastic scattering of deuterons described in the present paper. It is stated that in the range of small angles the electric interaction between deuterons and nuclei is predominant. This conclusion is confirmed by the fact that in contrast to previous works (Ref. 13: O. F. Nemets, G. A. Prokopets. ZhETF, 38, 693, 1960.; Ref. 14) good agreement with the theory is obtained if the parameter r is properly chosen. There are 5 figures and 14 references: 6 Soviet and 8 non-Soviet. The 4 most recent references to English-language publications read as follows: J. S. Blair, Phys. Rev., 115, 928, 1959; Ref. 4: R. Huby, H. C. Newns, Phil. Mag., 42, 1442, 1951; Ref. 5: C. J. Mullin, E. Guth, Phys. Rev., 82, 141, 1951.; Ref. 14: J. W., Haffner, Phys. Rev., 103, 1398, 1956.

ASSOCIATION: Institut fiziki Akademii nauk Ukrainskoy SSR (Institute of Physics of the Academy of Sciences Ukrainskaya SSR)

Card 2/3

04.6600

S/056/62/042/004/014/057  
B163/102

AUTHORS: Gofman, Yu. V., Nemets, O. F.

TITLE: Inelastic scattering of deuterons from Si, Ti and Fe nuclei

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,  
no. 4, 1962, 1013-1016

TEXT: The experimental method used has been described earlier in more detail by the same authors for deuteron scattering from different Ni isotopes (ZhETF v. 42, 1962, 653) is based on the simultaneous measurement of the energy E and the energy loss  $dE/dx$  for the scattered charged particles. The angular distribution of the scattered deuterons was measured for  $\text{Si}^{28}$  ( $Q = 1.8$  Mev),  $\text{Ti}^{48}$  ( $Q = -0.99$  Mev), and  $\text{Fe}^{56}$  ( $Q = -0.85$  Mev) with a primary deuteron energy of 13.6 Mev. The agreement with theoretical data is poor. The increased cross sections for small scattering angles may be explained by electrical interactions. There are 3 figures.

Card 1/2

Inelastic scattering of ...

S/056/62/042/004/014/037  
B163/B102

ASSOCIATION: Institut fiziki Akademii nauk Ukrainskoy SSR (Physics Institute of the Ukrainskaya SSR)

SUBMITTED: November 25, 1961

Card 2/2

GOFMAN, Yu.V.; DOBRIKOV, V.N.; ZAIKA, N.I.; MOKHNACH, A.V.; NEMETS, O.F.

Measurement of asymmetry in the  $N^{14}(d,p)N^{15}$  reaction on  
elastically scattered deuterons. Zhur. eksp. i teor. fiz.  
45 no.5:1317-1318 N '63. (MIRA 17:1)

1. Institut fiziki AN UkrSSR.

GOFMAN, YU. YA., SHUfov, A. D., VAYNTRAUB, I. A., KLINENKO, T. G., (USSR)

Isolation of Globulins from the Seed of Certain Leguminous Plants and Determination  
of their N-Terminal Amino Acids.

report presented at the 5th Int'l.  
Biochemistry Congress, Moscow, 10-16 Aug. 1961

KLIMENKO, V.G.; GOFMAN, Yu.Ya.; BARANOVA, T.A.

Proteins and nonprotein nitrogen containing substances in the seeds  
and green bulk of some vetchling species. Trudy po khim. prirod. soed.  
no.3:27-39 '60. (MIRA 16:2)

1. Kishinevskiy gosudarstvennyy universitet. Laboratoriya  
khimii belka.  
(Vetchling) (Plants—Chemical analysis) (Nitrogen)

GOFMAN, Yu.Ya.

Regeneration of the acetic acid solution used in washing off  
a paper electrophoregram. Lab.delo 6 no.3;27-28 My-Je '60.  
(MIRA 13:7)  
1. Laboratoriya khimii belka (zav. - prof. V.G. Klimenko) Kiehi-  
nevskogo gosudarstvennogo universiteta.  
(PAPER ELECTROPHORESIS) (ACETIC ACID)

GOFMAN, Yu.Ya.; VAYNTRAUB, I.A.

Use of paper electrophoresis in testing the homogeneity of seed  
proteins. Biokhimiia 25 no.6:1049-1054 N-D '60. (MIRA 14:5)

1. Laboratory of Protein Chemistry, the State University, Kishinev.  
(PAPER ELECTROPHORESIS) (LEGUMIN) (VICILIN)

VAYNTRAUB, I.A.; GOFMAN, Yu.Ya.

N-terminal amino acids in pea legumin and vicilin. Biokhimiia  
26 no. 1:13-17 Ja-F '61. (MIRA 14:2)

1. The Laboratory of Protein Chemistry, State University,  
Kishinev.  
(AMINO ACIDS) (LEGUMIN) (VICILIN)

GOFMAN, Yu.Ya.

Suppression of the decomposition of bromophenol blue in a caustic  
soda solution. Trudy po khim.prirod. soed. no.5:75-78 '62.  
(MIRA 16:11)

1. laboratoriya khimii belka Kishinevskogo gosudarstvennogo uni-  
versiteta.

GOFMAN, Yu.Ya.

Determination of nitrogen by Kjeldahl micromethod. Trudy po  
khim.prirod. sssd. no.5:79-83 '62. (MIRA 16:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo uni-  
versiteta.

GOFMAN, Yu.Yu.

Multilayer holder for staining electrophorograms. Trudy po khim.  
prirod. soed. no.5:85-86 '62. (MIRA 16.11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo uni-  
versiteta.

GOMMAN, Yu.Ya.; SAYANOVA, V.V.

Precipitation of seed proteins by trichloroacetic acid. Biokhimija  
30 no.1:12-19 Ja-F '65. (MIFB 18:6)

1. Laboratoriya khimii belka Gosudarstvennogo universiteta,  
Kishinev.

SAYANOVA, V.V.; GOEMAN, Yu.Ya.

Determination of the albumin content in seeds. Bichhimia 30 no.2:  
209-211 Mr-Ap '65. (MIRA 18:7)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo universiteta.

GOFMAN, Yu.Ya.

Protein microelectrophoresis in an acrylamide gel.  
Biokhimia 30 no.6:1160-1166 N-D '65.

(MIRA 19:1)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo  
universiteta. Submitted January 4, 1965.

GOFMAN-KADOSHNIKOV, P. B.

PA 67T92

USSR/Medicine - Biology Jan/Feb 1948  
Medicine - Growth, Experimental Studies

"Comparison of the Rate of Animal Growth With the  
Aid of Commensurable Units," P. V. Gofman-Kadoshnikov,  
Chair of Gen Biol, First Moscow Med Inst, 11 pp

"Iz Ak Nauk SSSR, Ser Biolog" No 1

Various researchers state that significant speed of  
growth is used as indication of the nature of growth  
of an individual. Author shows that comparative  
study of the speed of growth of one animal can be  
used as means of determining the speed of growth of  
various types of animals. Submitted by Academician  
I. I. Shmal'gauzen 30 Aug 1946.

67T92

The role of the functional state of the central nervous sys-

tem on the melanophore reaction of amphibia. P. B. Gol-  
min-Kudrzhikov and R. V. Zivinskikh (Soviet Min. Publ.  
Foreign Lit., Moscow, 1958, *Zhurn. Nauk. S.S.R.*, 94, 357-00  
(1954)). The melanophore (dark color developmental)  
reaction in *Rana temporaria* in cold water is inhibited  
probably by inhibition of the central nervous system at low  
temp. In the presence of narcotics (E4011, BaCO<sub>3</sub>, CHCl<sub>3</sub>,  
chloral hydrate) a considerable melanophore reaction is  
obtained regularly, reaching a max. in deep narcosis.  
Destruction of visual app. led to dispersion of the pigment  
in the melanophores with skin darkening. This is not an  
adaptive mechanism as shown by different conditions of the  
environment employed. In intact animals the melanophore  
reaction is always adaptive. G. M. Koschitsoff

GOTMAN-KADOSHNIKOV, P.B.; KHOROSHCHO, Ye.V.; SMIRNOV, M.I.

Role of chemical factors in the migration of nematodes. Dokl.AN SSSR  
103 no.6:1127-1130 Ag '55. (MIRA 9:1)

1.Smolenskiy gosudarstvennyy meditsinskiy institut. Predstavlene  
akademikom K.I.Skryabinym.  
(Nematoda)

GOFMAN-KADOSHNIKOV, P. B. and CHIZHOVA, T. F.

"An Analysis of the Structure of a Natural Focus of Diphyllobothriasis."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

First Moscow Medical Institute

GORMAN-KADOSHNIKOV, P. B. and CHIZHOVA, T. P.

"Plerocercoids of Diphyllobothria in Siberia and Their Possible Danger to Man and Animals."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

First Moscow Medical Institute

CHIZHOVA, T.P.; GOFMAN-KADOSHNIKOV, P.B.

Anatomohistological structure of plerocercoids of Baikal Diphyllobothrium. Med. paraz. i paraz.bol. 28 no.6:728-733 N-D '59.  
(MIRA 13:12)  
(TAPEWORMS)

CZIZOWA, T.P.; GOFMAN-KADOSZNIKOW, P.B.

Analysis of the mutual relationship among parasite hosts as a method for the investigation of foci of diphyllobothriasis.  
Wiac. parazyt. 7 no.1:43-50 '61.

1. Katedra Biologii Ogolnej I Moskiewskiego Instytutu Medycznego,  
Moskwa.  
(DIPHYLLOBOTHRIUM epidemiol)

GOFMAN-KADOSHNIKOV, P.B.; CHIZHOVA, T.P.; BAZAZ'YAN, A.G.; KRAVTSOV, E.G.

Incidence of diphyllolothriasis in Moscow Province. Med.paraz.i  
paraz.bol. 30 no.1:92-95 Ja '61. (MIRA 14:3)

1. Iz kafedry obshchey biologii (zav. - prof. F.F. Talyzin)  
I Moskovskogo ordena Lenina meditsinskogo instituta imeni  
I.M. Sechenova.

(MOSCOW PROVINCE—TAPENORMS)

CHIZHOVA, T. P.; GOFMAN-KADOSHNIKOV, P. B.; KRAVTSOV, E. G.

Plerocercoids in the fish of Karelia and the problem of their  
epidemiological significance. Med. paraz. i paraz. bol. no.2:  
213-223 '62. (MIRA 15:?)

1. Iz kafedry obshchey biologii I Moskovskogo ordena Lenina  
meditsinskogo instituta imeni I. M. Sechenova (zav. - chlen-  
korrespondent AMN SSSR prof. F. F. Talyzin)

(KARELIA--PARASITES--FISHES) (TAPEWORMS)

GOFMAN-KADOSHNIKOV, P.B., KHODAKOVA, V.I.; CHIZHOVA, T.P.;  
KRAVTSOV, E.G.

Role of the nine-spined stickleback in the dissemination of  
diphyllobothriasis. Med. paraz. i paraz. bol. 32 no.4:460-  
465 Jl-Ag '63. (MIRA 17:8)

1. Iz kafedry biologii (zav. -- prof. F.F. Talyzin) I Moskovskogo  
ordena Lenina meditsinskogo instituta imeni I.M. Sechenova i  
gel'mintologicheskogo otdela (zav. -- prof. V.P. Pod'yapolskaya)  
Instituta meditsinskoy parazitologii i tropicheskoy meditsiny  
imeni Ye.I. Martsinovskogo (dir. -- prof. P.G. Sergiyev)  
Ministerstva zdravookhraneniya SSSR.

GOFMAN KADOSHNIKOV, P.B.

Stages in the formation of new foci of diphyllobothriasis  
and sta gewise preventive measures. Med. paraz. i paraz.  
bol. 32 no.5:589-600 S-0'63 (MIEA 16:12)

1. Iz kafedry obshchey biologii (zav. ~ prof. F.F. Talyzin)  
I Moskovskogo meditsinskogo instituta.

GOFMAN-KADOSHNIKOV, P.B.; CHIZHOVA, T.P.

Epidemiological premises for spreading of diphyllobothriasis in  
the districts with new hydraulic developments. Trudy 1-go MMI  
41:45-49 '65. (MIRA 18:12)

GOFMAN-KADOSHNIKOV, P.B.

Summing up the investigations on the epidemiological situation  
of the diphyllobothriasis focus in Moscow Province. Trudy 1-go  
MNI 41:50-59 '65. (MERA 18:12)

GOFMAN-KADOSHNIKOV, Platon Borisovich; MIREK, V.F., red.

[Biological fundamentals of medical genetics] Biologicheskie osnovy meditsinskoi genetiki. Moskva, Meditsina, 1965. 148 p.  
(MIRA 18:12)

CHIZHOVA, T.P.; GOFMAN-KHODENIKOV, P.B.

Natural focus of diphyllobothriasis in the Baikal region and  
its pattern. Med.paraz.i paraz.bol. 29 no.2:168-176 '60.  
(MIRA 13:12)

(BAIKAL REGION—TAPEWORMS)

GOFMAN-ZAKHAROV, P.M.

Economic feasibility of city gas systems using RD wall-type gas  
regulators. Gas. prom. no. 4:32-35 Ap '58. (MIRA 1114)  
(Gas distribution) (Gas governors)

GOFMAN-ZAKHAROV, P.M.

Selecting optimum conditions for underground storage areas  
for liquefied hydrocarbon gases in salt formations, Gas. prom.  
4 no.7:34-38 '59. (MIRA 12:10)  
(Liquefied gases--Storage)

SOV/95-59-6-3/12

11(2); 14(1)

AUTHORS: Ivantsov, O.M. and Gofman-Zakharov, P.M., Engineers (Moscow-Kiyev)

TITLE: Isothermic Reservoirs for Liquified Gas

PERIODICAL: Stroitel'stvo truboprovodov, 1959, Nr 6, pp 7 - 11 (USSR)

ABSTRACT: During the 7-Year plan production of liquified gas will be brought up to 3,800,000 tons per annum. The most effective method of storing liquified gas is in underground reservoirs. For storing propane at 0.034 atm a temperature of -43.4°C is required. Under ordinary conditions propane is kept in containers calculated for a pressure of 16-18 atm. Diagram 1 shows the layout of an isothermic reservoir with a refrigerating installation. The gas, which evaporates inside the reservoir, passes through a heat exchanger and compressor into a condenser at a pressure of 5-10 atm. The condensed liquid returns to the reservoir, after passing through the same heat exchanger. The refrigeration process of liquified gas in isothermic storage is shown in Graph 2. The refrigeration of liquified gas entering an isothermic reservoir is done by means of an intermediate cooling agent inside the reservoir. To the extent as the reservoir fills, the cooling agent is pumped out into a special tank passing through a heat exchanger in which it cools the

Card 1/3

SOV/95-59-6-3/12

Isothermic Reservoirs for Liquified Gas

liquified gas on its way to the reservoir. A.P. Klimenko proposed to use diethyleneglycol as intermediate cooling agent, which is also a good moisture absorbent. The author is of the opinion that a saturated solution of sodium chlorite (brine) would answer the purpose as well. The pressure of vapors from liquid hydrocarbon in the reservoir can be cut down by lowering the temperature, which, however will increase the capacity and cost of the refrigerating installation. The author develops a number of formulae for calculating costs of the reservoir, of the refrigeration installation, of operating expenses, - as well as the most favorable operating conditions, as far as temperatures of isothermic storage of liquified gas are concerned. These as a rule are in the vicinity of temperatures corresponding to the pressure of vapors equal to 1.02 - 1.7 atm. The author refers to the installation of an isother-

Card 2/3

Isothermic Reservoirs for Liquified Gas

SOV/95-59-6-3/12

mic reservoir, in Riverditel, Georgia, USA, built by the Atlanta Gas Light Co. which, according to the "Gas Age" Journal of February 1957 issue, was the first installation of this kind in the USA, of which a photo is shown.

There are: 1 diagram, 2 graphs, 1 photo and 1 Soviet reference.

Card 3/3

PHASE I BOOK EXPLOITATION SOV/5629

Kolyada, Ivan Alekseyevich, and Petr Maksimovich Gofman-Zakharov

Germetichnost' gazoprovodov i opredeleniye utechki gaza (Airtightness of Gas Pipelines and Detection of Gas Leaks) Moscow, Gostoptekhizdat, 1960. 68 p. 6,100 copies printed.

Chief Ed.: V. N. Sidorov; Tech. Ed.: A. S. Polosina.

PURPOSE: This booklet is intended for engineers and technicians concerned with the planning, construction, and operation of municipal and industrial gas supply systems.

COVERAGE: The booklet deals with gas losses in municipal and industrial gas supply systems and methods for minimizing them. Quantitative and qualitative methods for determining gas leaks and nomograms for estimating gas escape are discussed in detail. Soviet instruments for determining leaks are also covered. Among these are the MakNII (Makayevka State Scientific Research Institute of Industrial Safety in Mining) gas detectors, the gas signalling apparatus of P. A. Kuz'min's system, the PGF-11 portable gas analyzer of Engineer Faynberg's system, the automatic methane indicators IM-2 and IM-3

Card 1/3

Airtightness of Gas Pipelines (cont.)

SOV/5629

manufactured at the Khar'kov "Krasnyy metallist" Plant, the LIOT diffusion indicator designed by the Leningradskiy institut ohrany truda (Leningrad Institute of Industrial Hygiene), and the gas flowmeters designed by the Institut ispol'zovaniya gaza (Institute of Gas Utilization), Academy of Sciences UkrSSR. No personalities are mentioned. There are 7 references, all Soviet.

## TABLE OF CONTENTS:

Introduction	3
Ch. I. Losses of Gas Fuel From Gas Pipelines	4
1. General information	4
2. Leakage of gas fuel as the cause of fires and explosions	6
Ch. II. Modern Methods and Means of Determining Leakages of Gas Fuel	11
1. Organization of operations in the detection of gas fuel leaks	11
2. Qualitative methods for determining gas leaks	19
3. Quantitative methods for determining gas leaks	44
Ch. III. Improvement of Methods and Means of Determining Gas Leaks	60
1. Compensation quantitative method	61

Card-2/3

GOFMAN-ZAKHAROV, P.M., inzh.; KATS, R.M., inzh.; FRIDMAN, A.M., inzh.

Thermal field of the underground isothermal storage of liquefied  
hydrocarbon gases. Nauch. zap. Ukrniiproekta no.9:130-136 '62.  
(MIRA 16:7)

(Liquefied gases--Storage)

GOFMAN-ZAKHAROV, P.M., inzh.

Selecting optimum parameters for liquefied hydrocarbon gas pipelines.  
Nauch. zap. Ukrniiproekta no.9:137-142 '62. (MIRA 16:7)  
(Gas, Natural--Pipelines)

GOFMAN-ZAKHAROV, P.M.; VESHITSKIY, V.A.

Examples of hydraulic calculations in the design of gas pipelines  
for liquefied gases. Gaz. prom. 7 no.11:35-36 N '62.  
(MIRA 17:9)

GOFMAN-ZAKHAROV, P. A.

Determining the optimal temperature for the Isothermal storage  
of liquefied hydrocarbon gases. Neft. i gaz. prom. no. 2:57-60  
Ap-Je '63. (MEFA 17:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut  
ugol'noy, rudnoy, neftyanoy i gazuoy promyslennosti UkrSSR.

ACCESSION NR AM4CO8917

BOOK EXPLOITATION

S/

Gofman-Zakharov, Petr Maksimovich; Veshitskiy, Vil'yam Anatol'yevich

Transportation and storage of liquefied hydrocarbon gases (Transport i khraneniye  
szhizhennykh uglevodorodnykh gazov), Kiev, Gostekhizdat USSR, 1963, 278 p.  
illus., biblio. 600 copies printed.

TOPIC TAGS: transportation, storage, liquefied hydrocarbon gas, hydraulics,  
oil pipeline, pumping station, underground storage

PURPOSE AND COVERAGE: The book deals with the problems of transportation of compressed hydrocarbon gases and examines the progressive methods of storing them, in particular, in isothermal low-temperature reservoirs, underground cavities in salt formations and other impermeable strata. The thermodynamic fundamentals of isothermal low-temperature storage of liquefied gases and specific hydraulics problems of pipeline transportation are discussed. The methods of equipping underground containers of liquefied gases, the skimming operations, problems of selecting optimal parameters and the basic equipment when designing equipment for transporting and storing liquefied gases are also discussed. A large part of the book is devoted to foreign experience in pipeline transportation of liquefied gases and their underground storage. The book is intended for engineers, technicians, and research-

Card 1/3

ACCESSION NR AM4CO8917

ers of the petroleum, chemical, and related industries who are connected with the design, construction, and use of transportation facilities and storage facilities for liquefied gases and other volatile liquids.

TABLE OF CONTENTS [abridged]:

Foreword -- 3
Transportation of liquefied hydrocarbon gases
Ch. I. Current state of transportation of liquefied hydrocarbon gases -- 6
Ch. II. Specific features of pipeline transportation of liquefied hydrocarbon gases -- 45
Ch. III. Hydraulic calculations of liquefied hydrocarbon gas pipelines -- 66
Ch. IV. Mechanical strength of pipelines for liquefied gases -- 106
Ch. V. Pumping stations of liquefied hydrocarbon gas pipelines -- 115
Storage of liquefied hydrocarbon gases
Ch. VI. Storage of liquefied hydrocarbon gases in steel pressure containers -- 160
Ch. VII. Isothermic containers of liquefied hydrocarbon gases -- 178
Ch. VIII. Storage of liquefied hydrocarbon gases in nonmetallic shells and mine shafts -- 214

Card 2/3

ACCESSION NR AM4008917

Ch. IX. Underground storage of liquefied hydrocarbon gases in salt formations - 225  
Ch. X. Technical-economical indicators of the various methods of transportation  
and storage of liquefied hydrocarbon gases - - 261  
Bibliography - - 273

SUB CODE: CH, FL

SUBMITTED: 14Nov62

NR REF SOV: 033

OTHER: 044

DATE ACQ: 23Aug63

Card 3/3

SCANNED BY SPYSCAN

POLAND/Cultivated Plants. Commercial. Oil-Bearing. Sugars.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20414.

Author : F. Dembinskiy, M. Yablonskiy, A. Gofmanova, B. Kelchevskiy  
Inst : Not given.

Title : The Effect of Sowing Times and Spacing Between Plants on the  
Castor Oil Seed and Oil Harvest. (Vliyanie srokov posева  
i rasstoyaniya mezhdju rasteniyami na urozhay semyan kleschche-  
viny i shor masla).

Orig Pub: Roczn. nauk. rolniczych, 1956, A72, No 3, 465-501.

Abstract: The tests were made with the Pulavskaya variety which  
belongs to the stock of Ricinus chinensis. The highest  
yield was obtained with spacing the plants at 40 X 40 cm  
and with the planting times between the 5th and 30th  
April. Dense spacing of the plants reduced the damage

Card : 1/2

POLAND/Cultivated Plants. Commercial. Oil-Bearing. Sugars.

M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20414.

caused by late frosts, did not lower the average weight of 1,000 seeds, did not lessen the oil output and had no effect on the quality of the oil.

Card : 2/2

GOFMENKLER, V.A.

Medical care of fishermen in Kamchatka. Sov. zdrav. 15 no.1:54-57  
(MIRA 9:6)  
Ja-F '56.

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